

Fig.1

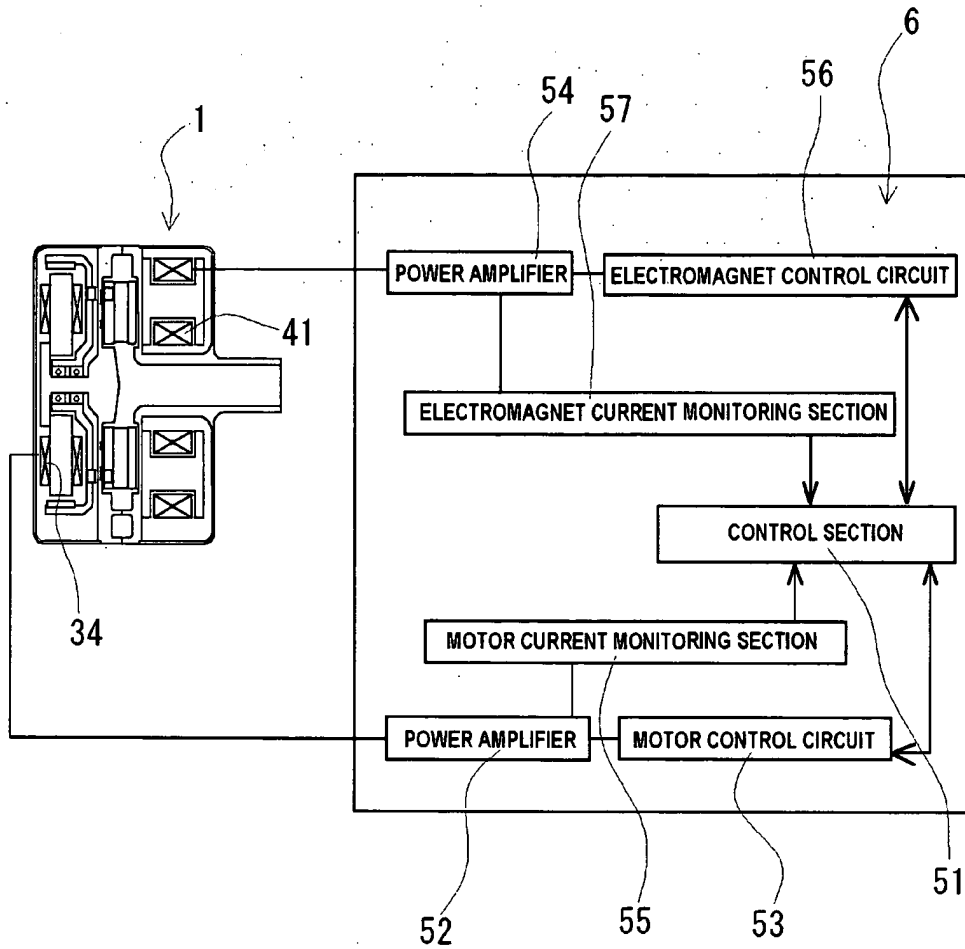


Fig.2

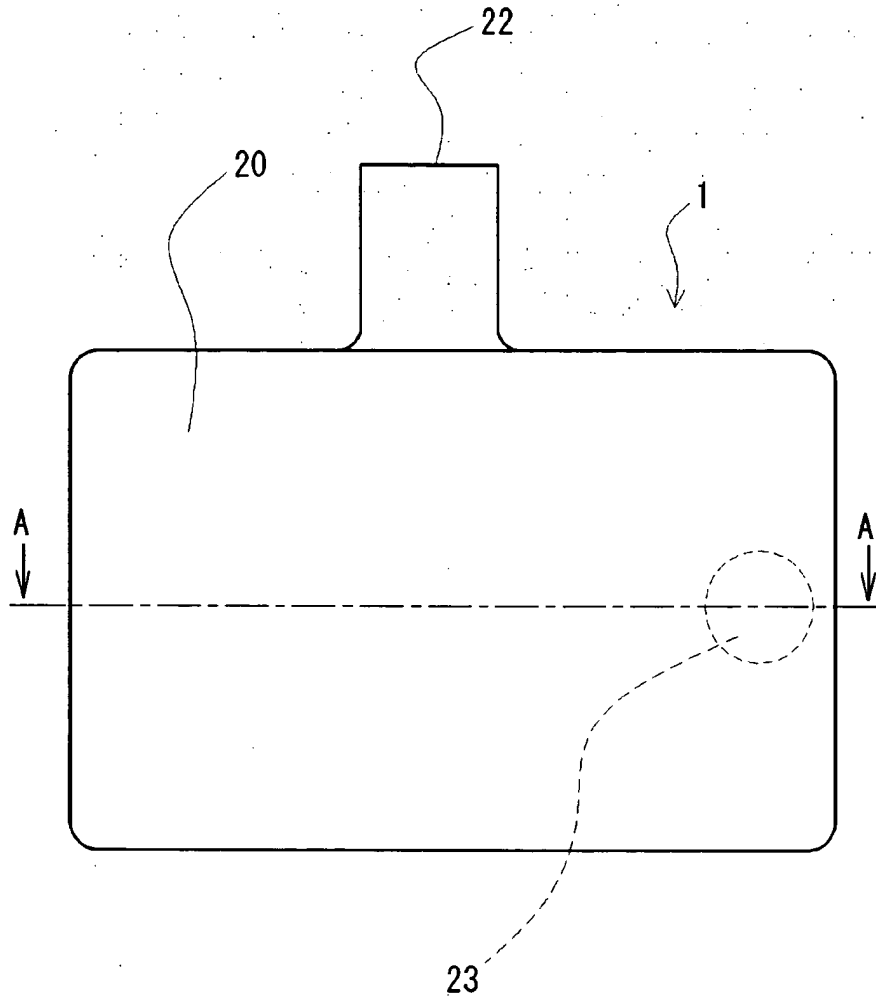


Fig.3

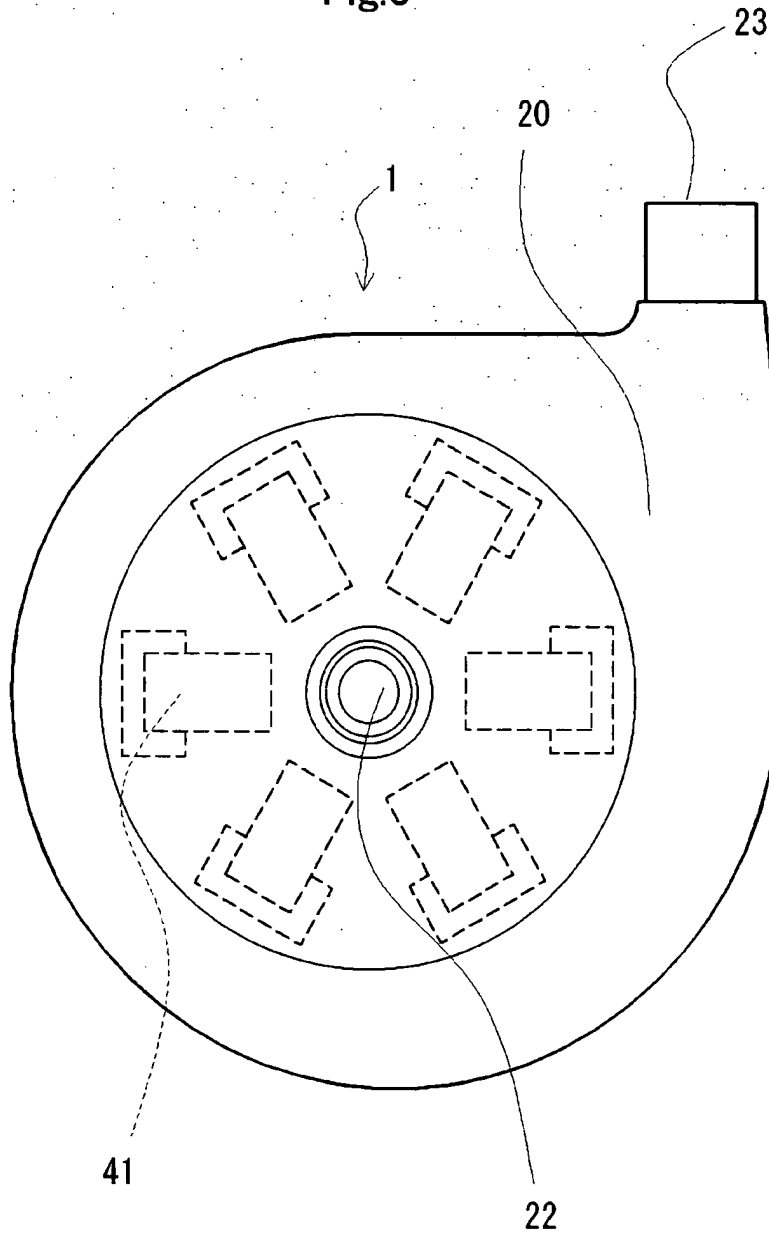
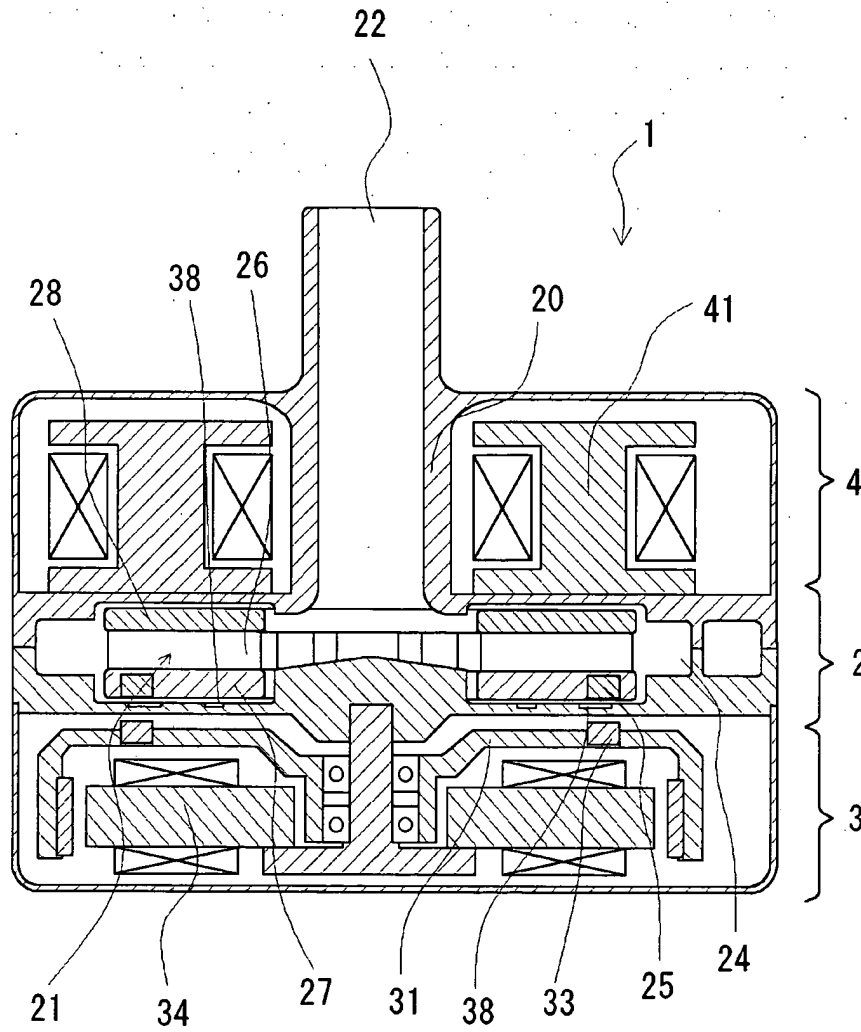


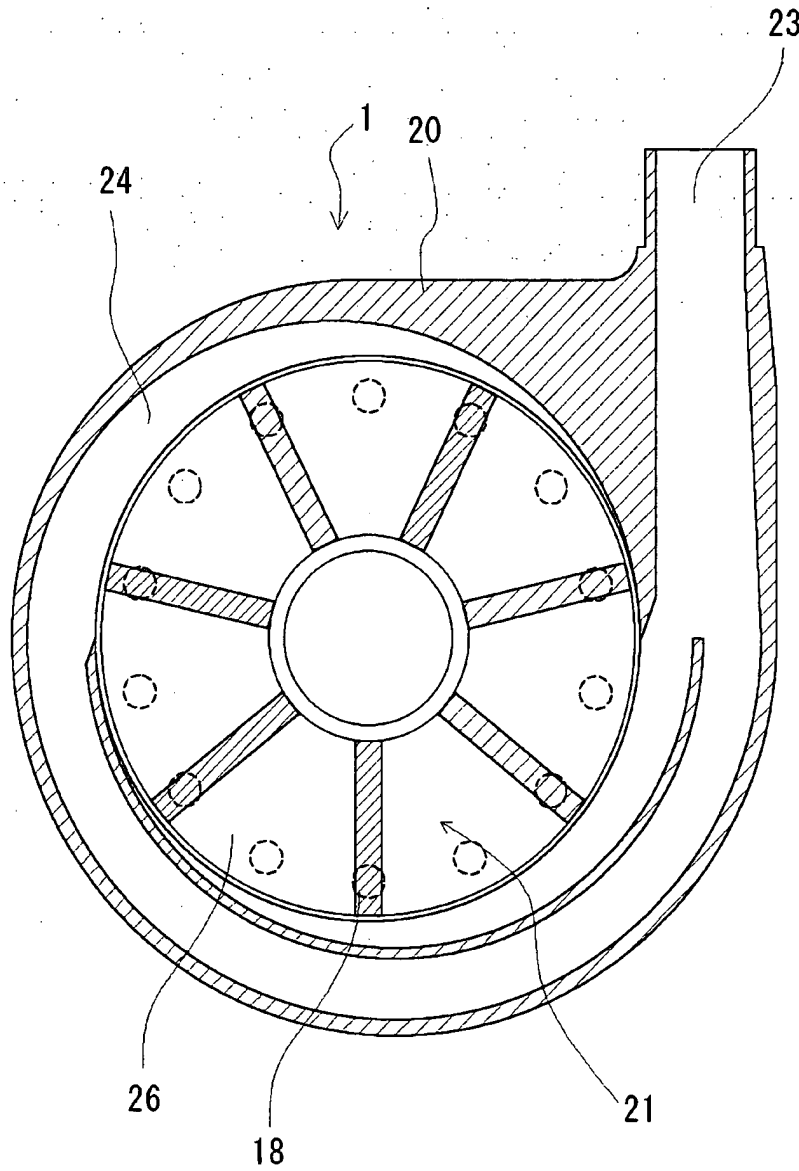
Fig.4



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Fig.5



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Fig.6

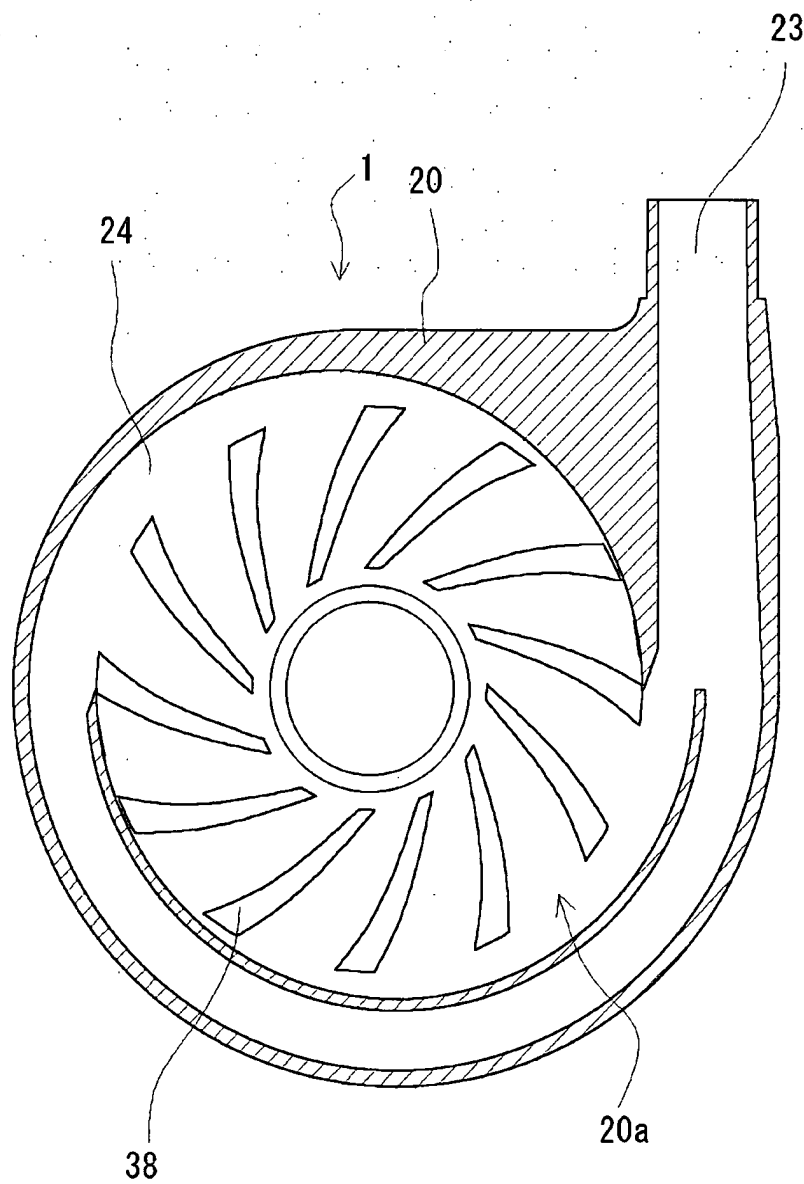
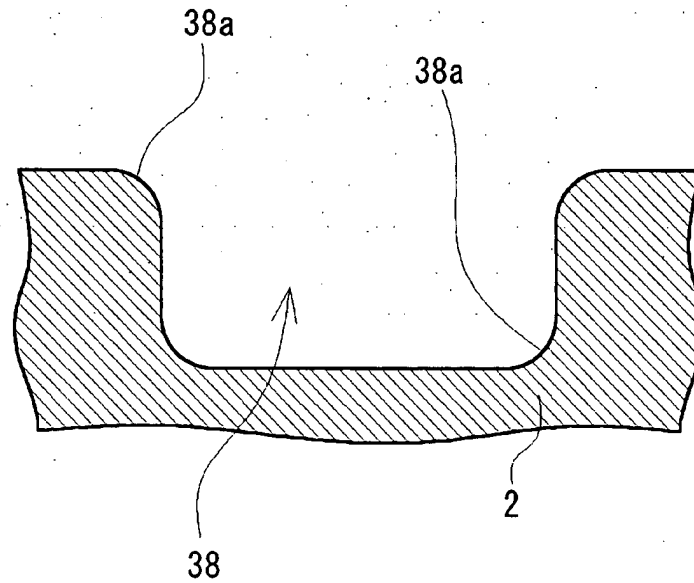


Fig.7



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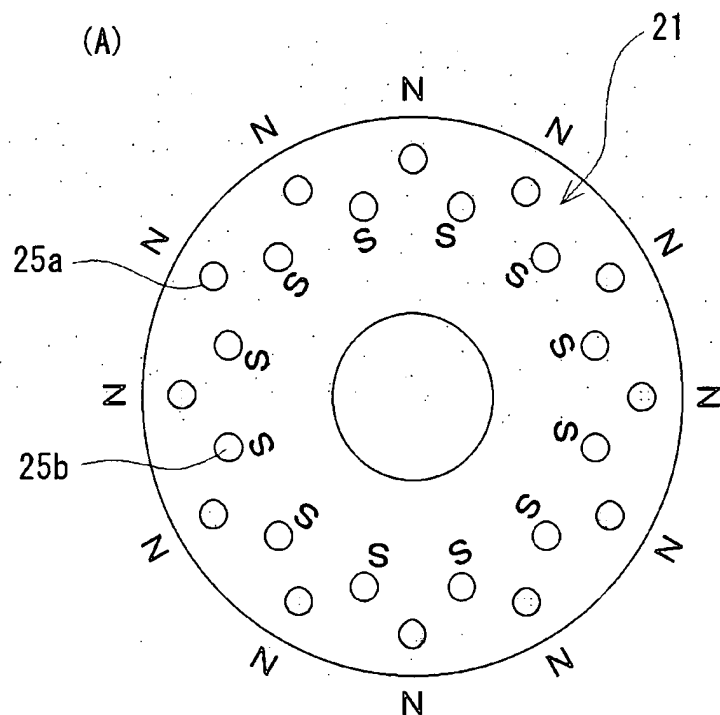
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Fig.8



(B)

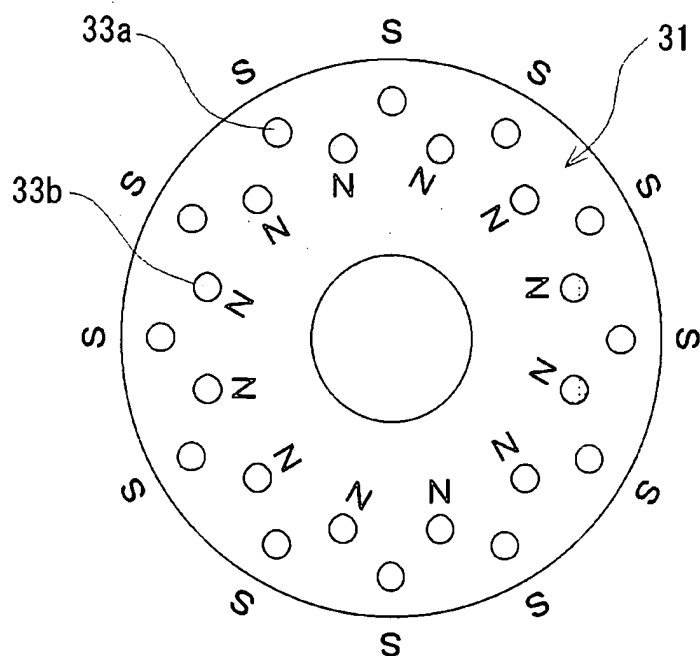


Fig.9

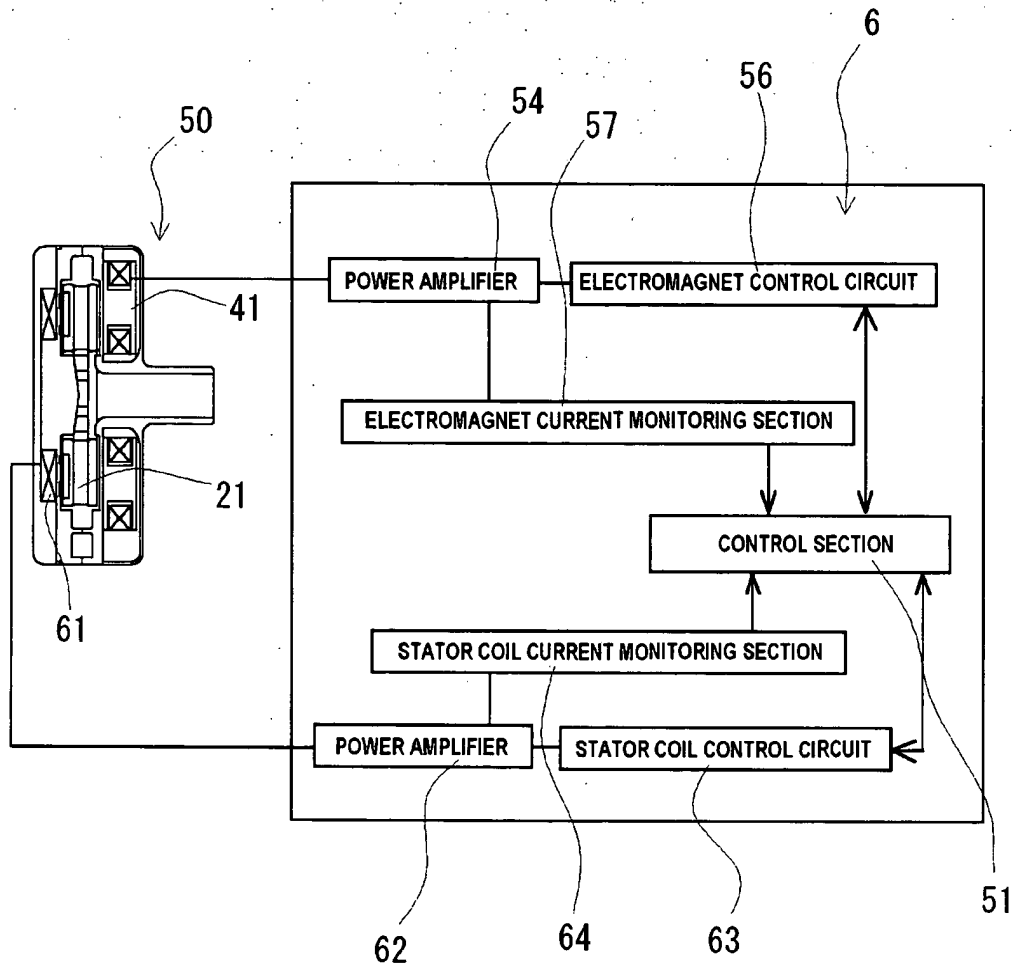


Fig.10

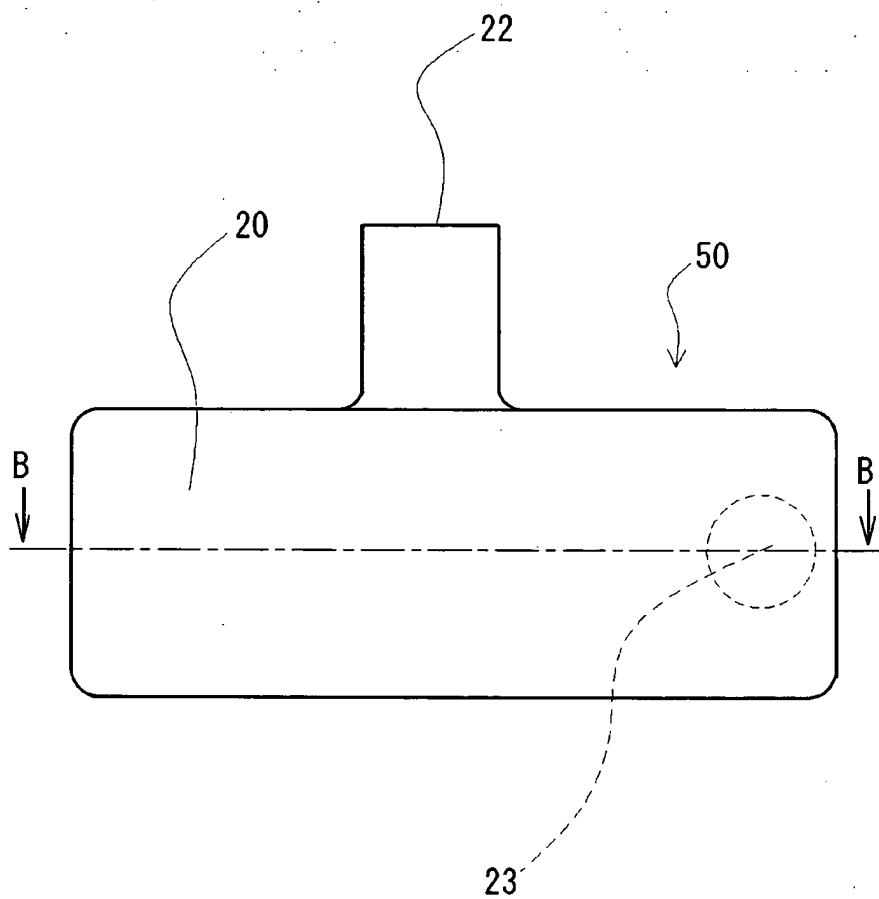
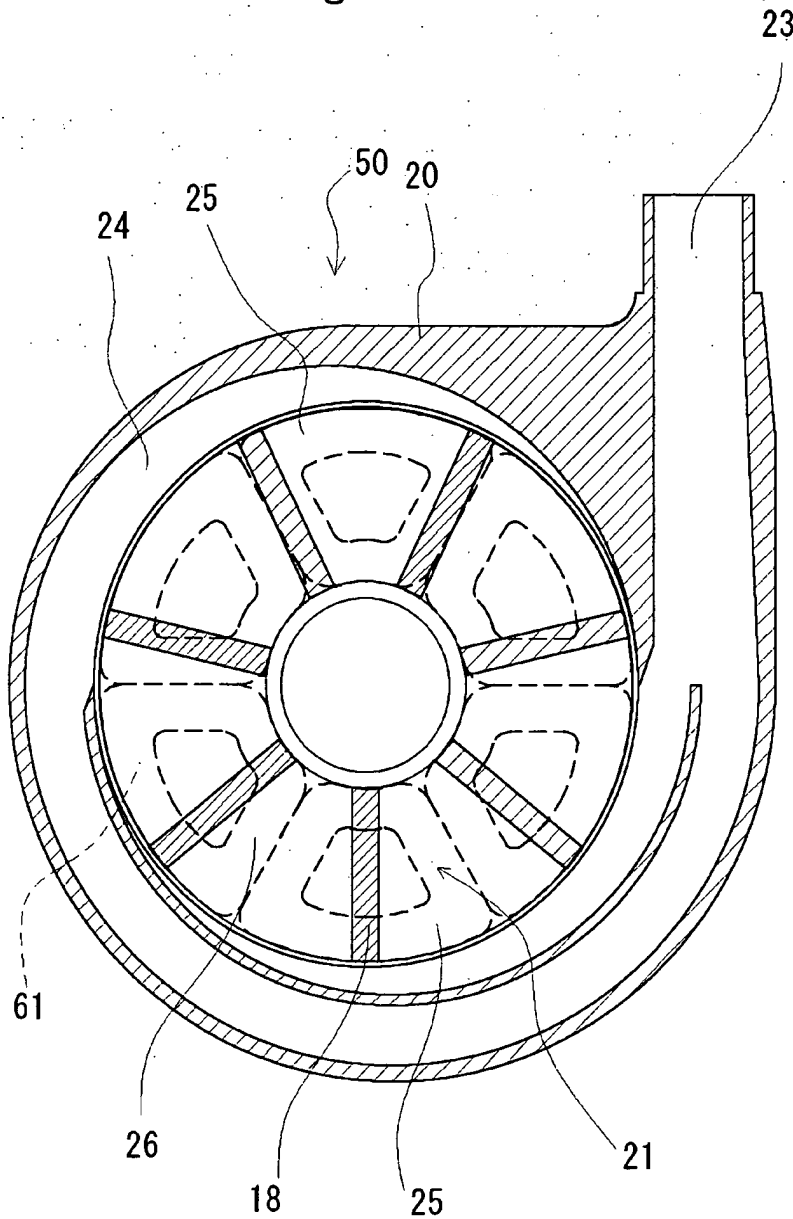


Fig.12



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Fig.13

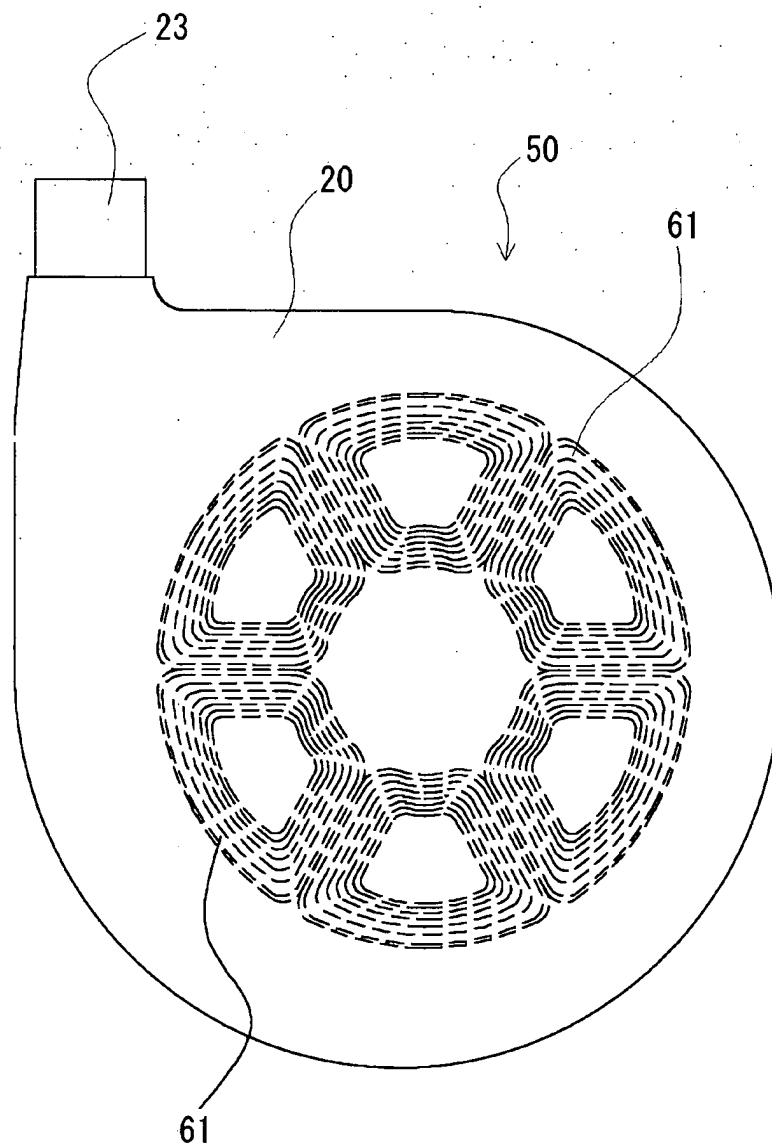
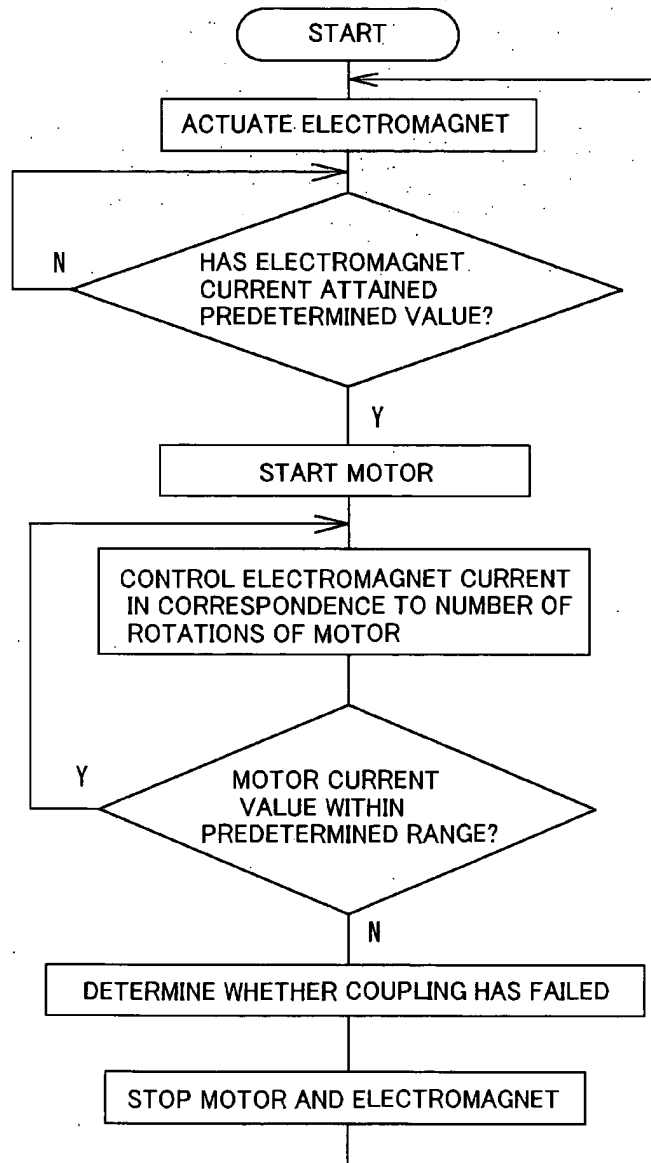


Fig.14



The top diagram, labeled "STATIONARY PIECE (HOUSING)", shows a cross-section of the housing with a pressure profile. The pressure is zero at the inlet (x=0) and outlet (x=B) and increases to a peak P_m at the impeller location (x=B_0). The bottom diagram, labeled "MOVING PIECE (IMPELLER)", shows a cross-section of the impeller with a pressure profile that is zero at the inlet (x=0) and outlet (x=B) and increases to a peak P_m at the impeller location (x=B_0).

Fig.16

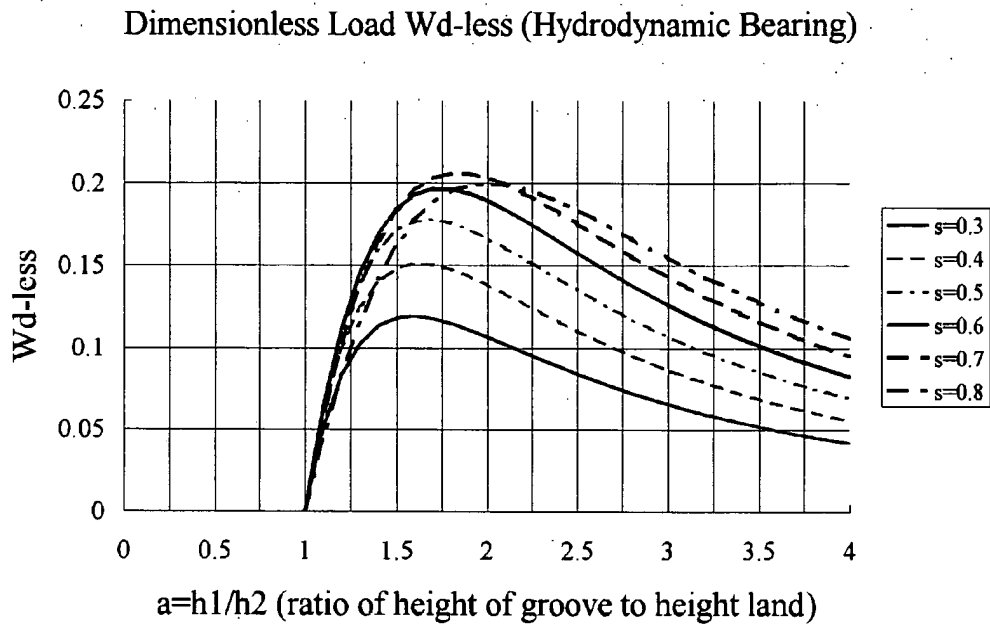
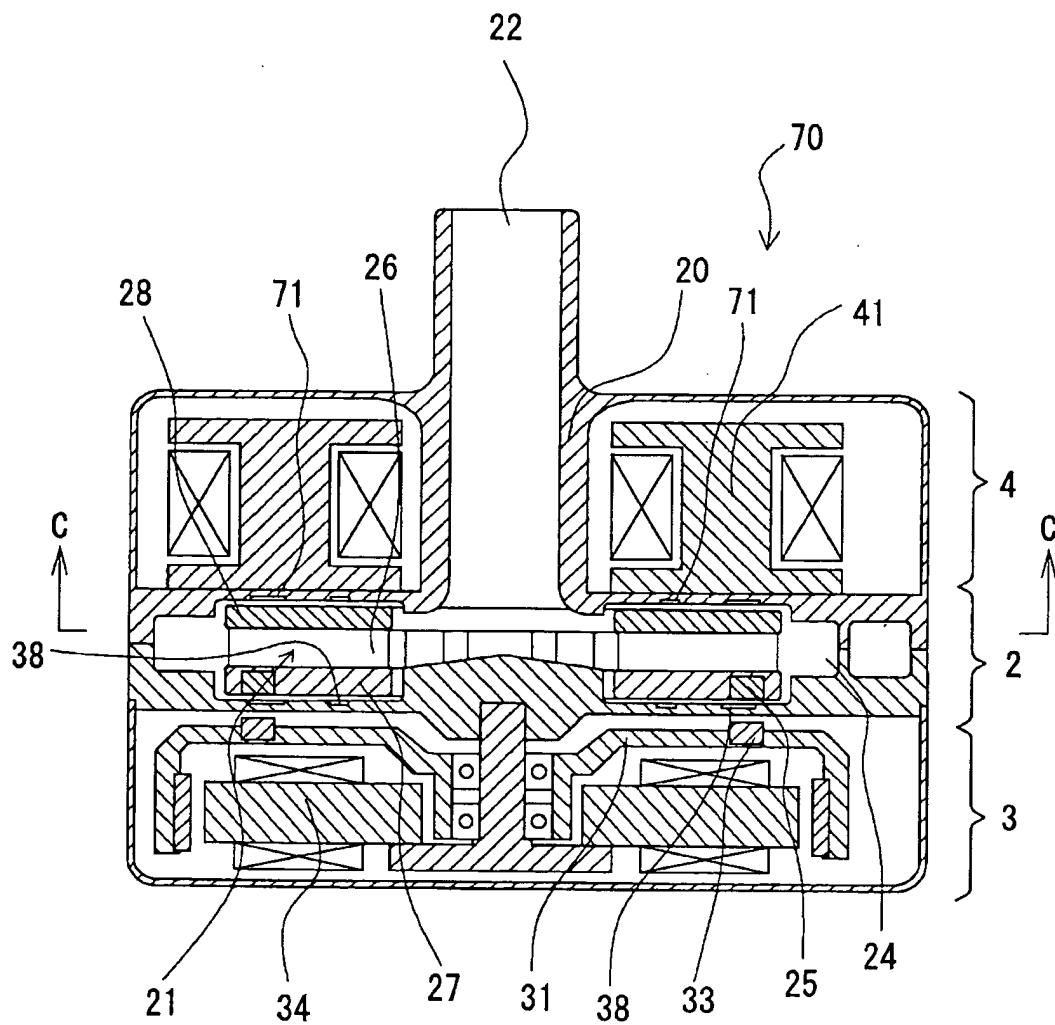


Fig.17



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Fig.18

